

Monthly Report

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MICROBIOLOGY REPORT: The January 2005 issue of Microbiology Monthly Report, Volume 10, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during December 2004 and new cases of syphilis in Milwaukee during November 2004. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during November is also included.

Legionnaires Disease (December 2004)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
70 y	M	+	ND	ND
44 y	M	+	ND	ND

ND = Not Done.

Pertussis (Whooping cough, an update)

Specimens from most clinics for pertussis were directed to the Wisconsin State Laboratory of Hygiene (WSLH), in Madison, for Real-time PCR assay. During the month of December more cases were identified in the Milwaukee County including the city of Milwaukee. The exact number has not yet been determined. The City of Milwaukee Health department Laboratory continues testing of selected samples for pertussis using culture and real-time PCR assay. However, no positive case was detected during December 2004.

Syphilis (December 2004)

Test	Number Positive	Test	Number Positive
RPR	1	FTA-ABS	6
VDRL	33	DARKFIELD	0

New Cases (Syphilis)

The Wisconsin Division of Health has reported 2 new cases (age 31 & 41 years) of syphilis (early stages) during November 2004 in Milwaukee. Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

New Cases of Syphilis (November 2004 and November 2003)

Stage	Number of Cases	
	November 2004	November 2003
Primary syphilis	0	0
Secondary syphilis	0	0
Early latent syphilis	2	0
Late latent syphilis	1	2
Total	3	2

Gonorrhea (MHD – December 2004)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
37	0	0	0	0

Gonorrhea from Other Sources (December 2004)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
5	1R	0	0	1DS

Isolates Other Than *N. gonorrhoeae* (December 2004)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>	Genital	22	<i>Mycoplasma hominis</i>	Genital	2

Parasitic Enteric Pathogens (December 2004)

Age	Sex	Pathogen	Number Cases
26	M	<i>Strongyloides stercoralis</i>	1
11	F	<i>Entamoeba coli</i>	1
		<i>Iodamoeba buetschlii</i>	
23*	F*	<i>Giardia lamblia</i>	1
		<i>Entamoeba coli</i>	
5	F	<i>Entamoeba coli</i>	1
6	M	<i>Hymenolepis nana</i>	1
12	M	<i>Entamoeba histolytica/E. dispar</i>	1
9*	M*	<i>Entamoeba hartmanni</i>	1
		<i>Entamoeba coli</i>	
8	F	<i>Giardia lamblia</i>	1
42	M	<i>Entamoeba coli</i>	1
18	M	<i>Giardia lamblia</i>	1
10	M	<i>Giardia lamblia</i>	1
7	F	<i>Giardia lamblia</i>	1

*Dual infection

Mycobacterial Infections (December 2004)

Mycobacteriology laboratory is being renovated and not operational at this time.

Reference Cultures (December 2004)

Age	Sex	Site/Specimen Source	Culture Identification
22	F	Stool	<i>Escherichia coli</i> NOT o157:H7
79	M	Blood	<i>Streptococcus mitis</i> group
77	M	Other	<i>Corynebacterium striatum</i>
45	F	N.A.	<i>Escherichia coli</i>
21	M	Throat	<i>Neisseria meningitidis</i>
20	F	Throat	<i>Neisseria lactamica</i>

Bacterial Enteric Pathogens (December 2004)

Age	Sex	Pathogen	Age	Sex	Pathogen
27mo	F	<i>Shigella sonnei</i>	28	M	<i>Salmonella</i> gp B monophasic i
77	F	<i>Shigella sonnei</i>	62	F	<i>Salmonella newport</i>
29	F	<i>Shigella sonnei</i>	25	M	<i>Salmonella</i> gp B monophasic i
4	F	<i>Shigella sonnei</i>	45	F	<i>Salmonella litchfield</i>
21	F	<i>Shigella sonnei</i>	20	M	<i>Salmonella heidelberg</i>
11d	F	<i>Shigella sonnei</i>	14	M	<i>Salmonella enteritidis</i>
10	F	<i>Shigella sonnei</i>	19	F	<i>Salmonella typhimurium</i>
27mo	F	<i>Shigella sonnei</i>	21	F	<i>Salmonella enteritidis</i>
28mo	F	<i>Shigella sonnei</i>	22	F	<i>Salmonella typhimurium</i>
6	F	<i>Shigella sonnei</i>	30	F	<i>Salmonella typhimurium</i>
25mo	M	<i>Shigella sonnei</i>	32mo	M	<i>Salmonella panama</i>